

FORM 123 USE PREVIOUS EDITIONS  
5-63

MFG. 9-56

CLASSIFIED MESSAGE

S E C R E T

DATE

## ROUTING

TO :  
FROM :  
ACTION:  
INFO :

	INIT	ACT	INFO
CHIEF			
D/CHIEF			
OPS			
PLANS			
HOLD FOR:			
T.H.			

1	9
2	10
3	11
4	12
5	13
6	14
7	15
8	16

IMMEDIATE

25X1 IN 73312

OPS-10

HOLD FOR:

T.H.

FILE BX6734 wrap up 20-22

CITE

TO  
25X1 S E C R E T 090153Z CITE

25X1 IMMEDIATE

25X1 REF A

B

C

BX 6734

15 Nov -  
msg written by  
SSO this date to  
[redacted] saying  
"set up post flight  
hack + put off  
time in remarks  
of [redacted]". J.

25X1

25X1

1. THERE IS NO POSTFLIGHT CHECK OF THE DATA BLOCK TIME CLOCK. THE CLOCK POWER IS CUT OFF WHEN INS IS TURNED OFF IN THE HANGAR PRIOR TO ENGINE SHUT DOWN. IT IS CHARACTERISTIC OF SUCH CLOCKS NOT TO STOP IMMEDIATELY, BUT TO COAST DOWN FOUR TO FIVE SECONDS. SINCE IT READS ONLY ELAPSED TIME, WE HAVE NEVER FELT A NEED FOR POST MISSION ACCURACY CHECKS.

2. LAST DATE OF STOPWATCH VERIFICATION AND TIME CLOCK VERIFICATION IS UNKNOWN. WE ARE IN THE PROCESS OF VERIFYING RATES AT THIS TIME USING INSTRUMENTS CARRIED ON BX 6734. BEAR IN MIND HOWEVER THAT THE STOPWATCH IS USED ONLY FOR A SHORT PERIOD IN THE LAB TO HACK THE INS TIME TO WWVH. EVEN IF ITS RATE IS OFF

S E C R E T

GROUP 1  
EXCLUDED FROM AUTO-  
MATIC DOWNGRADING  
AND DECLASSIFICATION

25X1 IN 73312

S E C R E T

PAGE 2

ON THE ORDER OF 2 TO 3 ITS EFFECT ON INS TIME WOULD BE NEGLIGIBLE. THE SAME HOLDS TRUE FOR THE DATA BLOCK CLOCK. IT'S RATE IS PLUS OR MINUS 1.5 SEC FOR A 24 HOUR PERIOD. OVER A 4 HOUR MISSION LENGTH THIS WOULD BE AN ERROR OF ONE FOURTH OF A SECOND IF THE CLOCK WAS IN ERROR AT ITS MAXIMUM RATE. AN ERROR RATE OF FOUR TIMES WILL BE ONE SECOND IN FOUR HOURS. REGARDLESS OF THE ABOVE, WE ARE CHECKING ERROR RATES AND YOU WILL BE SUPPLIED INFORMATION AS SOON AS IT IS AVAILABLE.

3. CONSIDERING ALL FACTORS, WE FEEL THE ELAPSED TIME SHOWN IN DATA CLOCK CAN BE ASSUMED TO BE WITHIN 1 TO 2 SECONDS OF ACTUAL TIME. FURTHER THAT HUMAN FACTOR INVOLVED I.E., LISTENING TO WWVH AND THE PHYSICAL MOTION OF PUNCHING THE SHOP WATCHES PROBABLY INDUCES THE MAJOR PORTION OF THIS 1 TO 2 SECONDS.

25X1 4. [REDACTED] ARE VAGUE IN THAT WE DO NOT UNDERSTAND THE GOAL OF YOUR EXAMINATION. IF WE KNEW WHAT THIS GOAL WAS PERHAPS WE COULD OFFER MORE AID. POSSIBLY A COMPLETE NEW TIME SYSTEM OR A COMPLETELY NEW POSTFLIGHT PROCEDURE IS INDICATED. WOULD APPRECIATE MORE INFORMATION NEXT TIME.

S E C R E T TOP: 090305Z NOV 67

S E C R E T